

What is claimed is:

1. A file security management method,
comprising:

5 encrypting a file by using, as a key, position
information which specifies a position in which the file
can be opened;
 saving the encrypted file;
 decrypting the file by using, as a key, position
10 information which is detected by a position detecting
device; and
 displaying the decrypted file.

2. The file security management method
15 according to claim 1, wherein
 a selection is made from among a plurality of
preregistered positions when position information in
which the file can be decrypted is selected.

20 3. The file security management method
according to claim 1, wherein
 a limitation is imposed on a position range in
which the file can be opened by changing a data length
of position information which is used as an encryption
25 key.

4. A file security management method,
comprising:

5 saving data that is encrypted by using, as a key,
position information which specifies a position in which
the data can be used, and the position information as
a key;

determining whether or not position information
which is detected by a position detecting device and
10 the saved key match, and decrypting the encrypted data
by using the key if the position information and the
saved key match; and

displaying the decrypted data.

15 5. A file security management apparatus,
comprising:

an encrypting unit encrypting a file by using, as
a key, position information which specifies a position
in which the file can be opened;

20 a saving unit saving the encrypted file;

a decrypting unit decrypting the file by using,
as a key, position information which is detected by a
position detecting device; and

a displaying unit displaying the file decrypted
25 by said decrypting unit.

6. A file security management method,
comprising:

5 encrypting a file by using, as a key, position
information which specifies a position in which the file
can be opened; and
saving the encrypted file.

7. A file security management method,
10 comprising:

decrypting an encrypted file by using, as a key,
position information which is detected by a position
detecting device, when opening the file; and
displaying the decrypted file.

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8. A file security management method,
comprising:

encrypting data by using position information
which specifies a position in which the data can be used;
20 and

transmitting the encrypted data, or saving the
encrypted data onto a computer-readable storage medium.

9. The file security management method
25 according to claim 8, wherein

a limitation is imposed on a position range in which a file can be opened by changing a data length of position information used as an encryption key.

5 10. A computer-readable storage medium on which map information is recorded, wherein:

map data encrypted with position information which specifies a position in which a user can use the map data is recorded; and

10 map data, which can be decrypted only if position information detected by a position detecting device and the position information used to encrypt the map data match, is recorded.

15 11. A program security management method, comprising:

encrypting a program with position information which specifies a position in which the program can be used; and

20 transmitting the program encrypted with the position information, or saving the encrypted program onto a computer-readable storage medium.

 12. The program security management method
25 according to claim 11, wherein

the program is encrypted with the position information, and a license key given to a user.

13. A computer-readable storage medium on which
5 is recorded a program that is encrypted with position information which specifies a position in which the program can be used.

14. A program security management method,
10 comprising:

encrypting a program with position information which specifies a position in which the program can be used;

transmitting the program encrypted with the
15 position information, and a license key given to a user;

receiving, by the user, the encrypted program and the license key; and

decrypting the encrypted program with position information which is detected by a position detecting
20 device, and the license key.

15. A file security management apparatus, comprising:

encrypting unit encrypting a file by using, as a
25 key, position information which specifies a position

in which the file can be opened; and
saving unit saving the encrypted file.

16. A file security management apparatus,
5 comprising:

a decrypting unit decrypting a file by using, as
a key, position information which is detected by a
position detecting device; and

a displaying unit displaying the file decrypted
10 by said decrypting unit.

17. A computer-readable storage medium on which
is recorded a security management program for causing
a computer to execute a process, the process comprising:
15 encrypting a file by using, as a key, position
information which specifies a position in which the file
can be opened;

saving the encrypted file;

decrypting the file by using, as a key, position
20 information which is detected by a position detecting
device, when opening the file; and
displaying the decrypted file.

18. The computer-readable storage medium
25 according to claim 17, the process further comprising

imposing a limitation on a position range in which the file can be opened by changing a data length of position information used as an encryption key.

- 5 19. A computer-readable storage medium on which is recorded a security management program for causing a computer to execute a process, the process comprising:
- encrypting a file by using, as a key, position information which specifies a position in which the file
- 10 can be opened; and
- saving the encrypted file.

20. A computer-readable storage medium on which is recorded a program for reading map data from a storage
- 15 medium on which is recorded map data encrypted with position information which specifies a position in which the map data can be used, the program comprising
- allowing the map data to be decrypted only if position information detected by a position detecting
- 20 device and the position information used to encrypt the map data match.